

ABSTRACT OF THE DISCLOSURE

The present invention provides peptides which bind to the DNA binding domain of transcription factor E2F, and inhibit cell cycle progression. Peptides include FWLRFT (SEQ ID NO:1); WVRWHF (SEQ ID NO:2); WHFIFW (SEQ ID NO:3); IWLSGLSRGVVVSFP (SEQ ID NO:4); and GSRILTFRSGSWYAS (SEQ ID NO:5) and derivatives based upon these sequences. Compositions and the use of the peptides in inhibiting cell cycle progression, such as in uncontrolled cell proliferation, are also provided.